

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 10/682,127 Confirmation No. 1350  
Applicant : Sirinyan et al.  
Filed : October 9, 2003  
Title : DERMALLY APPLICABLE LIQUID FORMULATIONS FOR  
CONTROLLING PARASITIC INSECTS ON ANIMALS  
Group Art Unit : 1615  
Examiner : NEIL S LEVY  
Docket No. : LeA 35172

VIA EFS

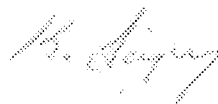
Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

DECLARATION OF KIRKOR SIRINYAN UNDER 37 C.F.R. §1.131

Dr. Kirkor Sirinyan, one of the co-inventors of the subject matter of the above-identified patent application, declares and states as follows:

1. That sometime prior to November 30, 2000, I conceived of a formulation for controlling parasites on an animal.
2. That composition included permethrin, imidacloprid, and N-methylpyrrolidone.
3. That evidence of my reduction to practice prior to November 30, 2000 is included in the form of a copy of a page from my Laboratory Journal and English translation thereof dated and attached herein.
4. That the experiment noted in the Laboratory Journal includes a formulation comprising permethrin, imidacloprid, and N-methylpyrrolidone.

5. The applicant further declares that all statements made herein are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and that such willful false statements may jeopardize the validity of the application or any patent issuing therefrom.



\_\_\_\_\_  
Dr. Kirkor Sirinyan

25 January 2010

\_\_\_\_\_  
Date

**Laborjournal AH-RD**

Bayer HealthCare

Ausdruck: 18.01.2010

**Laborcode**  
 SYK-3695-0

**Labor**  
 Sirinyan, Dr.

**Mitarbeiter**  
 Heuser

**Herstelldatum**  
 04.09.2000

**Projektname**      Permethrin / Imidacloprid  
**Projektnummer**      SYK  
**Studiennummer**      0  
**Deklaration**      50% / 10%  
**Formuliertyp**      Spot-On

**Verwendungszweck**  
 Abgabe an Herrn Hansen / Frau Stannek

Nr	A	Einsatzstoff	Partienummer	Gehalt in %	Anteil in %	Einwaage in g	Einwaage in g (Ist)
1	<input type="checkbox"/>	Permethrin		100	0,00	102,35	0,00
2	<input type="checkbox"/>	Imidacloprid	230824349	98,3	0,00	20,34	0,00
3	<input type="checkbox"/>	NMP		100	0,00	102,12	0,00
4	<input type="checkbox"/>	BHT		100	0,00	0,20	0,00
5	<input type="checkbox"/>	Citronensäure		100	0,00	0,20	0,00
<b>Summen</b>						<b>225,21</b>	<b>0,00</b>

**Ansatzgröße:** 100,00 g
**Herstellungsvorschrift und Packmittel**

Permethrin, Imidacloprid vorgelegt und in NMP gelöst. Anschließend BHT und Citronensäure zugegeben. Das Ganze wurde mit NMP auf 200ml aufgefüllt.

**Ergebnisse, Beobachtungen und Bemerkungen**



Printed: 18.01.2010

<b>Laboratory code</b>	<b>Laboratory</b>	<b>Employee</b>	<b>Date of manufacture</b>
SYK-3695-0	Sirinyan, Dr.	Heuser	04.09.2000

<b>Project name</b>	permethrin/imidacloprid		
<b>Project number</b>	SYK	<b>Intended use</b>	
<b>Study number</b>	0	To be passed on to Mr Hansen/Ms Stannek	
<b>Declaration</b>	50%/10%		
<b>Formulation type</b>	spot-on		

No.	A	Ingredient	Batch number	Content in %	Proportion in %	Weighed portion in g	Weighed portion in g (actual value)
1	<input type="checkbox"/>	permethrin		100	0.00	102.35	0.00
2	<input type="checkbox"/>	imidacloprid	230824349	98.3	0.00	20.34	0.00
3	<input type="checkbox"/>	NMP		100	0.00	102.12	0.00
4	<input type="checkbox"/>	BHT		100	0.00	0.20	0.00
5	<input type="checkbox"/>	citric acid		100	0.00	0.20	0.00
<b>Sums</b>						<b>225.21</b>	<b>0.00</b>

Batch size: 100.00 g

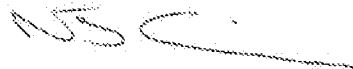
**Preparation method and packaging**

Permethrin and imidacloprid were initially charged and dissolved in NMP. BHT and citric acid were then added. The mixture was made up to 200 ml with NMP.

**Results, observations and notes**

RWS Group Ltd, of Europa House, Marsham Way, Gerrards Cross, Buckinghamshire, England, hereby declares that, to the best of its knowledge and belief, the following document, prepared by one of its translators competent in the art and conversant with the English and German languages, is a true and correct translation of the accompanying document in the German language.

Signed this 21st day of January 2010



N. T. SIMPKIN

Deputy Managing Director - UK Translation Division

For and on behalf of RWS Group Ltd